Comparisons of Job Characteristics

Focus Occupation: Statistical Assistants (43-9111)
Associated Occupation: Statisticians (15-2041)

Compare Knowledge
Compare Skills
Compare Abilities
Compare Detailed Work Activities
Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge — Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: Statistical Assistants (43-9111)
Associated Occupation: Statisticians (15-2041)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mathematics	9.2	15.7	17.6	>	Current knowledge level is likely sufficient
Computers and Electronics	8.4	15.1	15.2	0	Current knowledge level may be sufficient
Biology	3.7	7.1	2.6	<<	Extensive education and/or training may be required
Medicine and Dentistry	3.7	6.2	1.9	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills — Similarity of Focus Occupation to Associated Occupation: 93

Focus Occupation: Statistical Assistants (43-9111)
Associated Occupation: Statisticians (15-2041)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mathematics	6.2	15.7	17.3	>	Skill level is likely sufficient
Critical Thinking	10.8	14.6	12.6	<	A higher skill level may be required
Programming	2.2	10.8	11.2	0	Current skill level may be sufficient
Science	4.5	10.6	5.6	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities — Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Statistical Assistants (43-9111) Associated Occupation: Statisticians (15-2041)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mathematical Reasoning	6.3	16.1	17.8	>	Current ability level is likely sufficient
Deductive Reasoning	10.6	15.4	11.6	<<	Extensive improvement in abilities may be required
Inductive Reasoning	10.2	14.4	10.6	<<	Extensive improvement in abilities may be required
Written Comprehension	11.0	14.4	11.8	<	Some improvement in abilities may be required
Information Ordering	9.9	14.2	11.5	<	Some improvement in abilities may be required
Written Expression	9.8	13.9	11.4	<	Some improvement in abilities may be required
Number Facility	6.3	13.0	16.2	>>	Current ability level is likely more than sufficient
Category Flexibility	9.0	12.2	11.5	0	Current ability level may be sufficient
Flexibility of Closure	7.8	10.2	9.1	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 72

Focus Occupation: Statistical Assistants (43-9111) Associated Occupation: Statisticians (15-2041)	
Work Activities	Exclusivity of Activity
Collect scientific or technical data	30
Collect statistical data	47
Compile numerical or statistical data	38
Create mathematical or statistical diagrams or charts	43
Prepare reports	8
Use computers to enter, access or retrieve data	3
Use relational database software	26
Use spreadsheet software	18
Use word processing or desktop publishing software	17

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Statistical Assistants (43-9111) Associated Occupation: Statisticians (15-2041)	
Tools and Technologies	**Exclusivity**
Business function specific software	1
Computers	1
Content authoring and editing software	1
Data management and query software	1
Development software	4
Industry specific software	1

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.